Networking Specialist

DESCRIPTION OF WORK:

This is highly technical and analytical work in serving as a specialist for networking, enterprise network planning, high-level troubleshooting, security, network system administration and/or networking products and services. Work includes the enterprise design, review of internal and external infrastructure requirements, technology evaluation, testing and developing guidelines for implementation. Specialists may consult with clients and/or vendors to determine future network systems requirements, their costs, design additions, solutions to complex network operating problems, and the design of network security systems. Employees develop request for proposals (RFP's) and contracts for services and serve as the expert in that product area. Employees serve as experts on the network and network services including serving as a resource to senior analysts in network problem solving and design. This includes determining needs and researching new technology additions and improvements to the network. Additional roles may include technical specialist in network management systems or telecommunications networks (data, voice, video and voice over IP), network architecture, network systems administration, network services and converged network services. May serve as team leader within the work unit.

EXAMPLES OF COMPETENCIES:

CONTRIBUTING:

- **Planning and Organizing:** Ability to organize and follow complex and/or detailed technical procedures.

- **Project Management:** Ability to manage projects of medium to high complexity and develop project plan, manage milestones and drive project forward.

- **Technical Knowledge:** Knowledge of complex technical networking systems. Ability to evaluate, design and maintain complex technical systems.

- **Technical Support:** Sufficient knowledge of technology and resources available to resolve network operating problems referred by analysts or clients.

- **Consultancy Skills:** Ability to consult on issues and requests from clients that require the implementation or creation of a custom solution.

JOURNEY

- **Project Management:** Ability to manage projects that require directing the work of others and with some latitude on actions or decisions.

- **Technical Knowledge:** Extensive knowledge in a technical specialty area.
Detailed understanding of technical issues to design architecture for stable technologies.

- **Technical Solution Development:** Ability to investigate and research and put into place new technologies in specialty or related area to improve performance.

- **Technical Solution Development:** Ability to develop solutions that impact the statewide/agency/university infrastructure.

- **Technical Support:** Advanced knowledge of technology resources and specialty areas to serve as resource for analysts.

- **Consultancy Skills:** Ability to consult with senior level decision-makers, on an on-going basis, to develop long-range strategic alternatives.
Ability to consult with clients, high-level technicians, analysts and peers to resolve problems.

ADVANCED

- **Planning and Organizing:** Ability to lead the work unit in long-term planning.

- **Project Management:** Ability to manage projects that have high impact and/or of high complexity. Projects often involve significant changes to infrastructure or the implementation of emerging technologies.

- **Technical Knowledge:** Extensive knowledge to design the most advanced solutions associated with network expansions and integration of new technologies.

- **Technical Knowledge:** Significant knowledge to be considered the statewide/ university/agency expert in an advanced voice, video or data network specialty and serves as a resource for other specialists.

- **Consultancy Skills:** Ability to provide expertise and consulting to committees, boards and/or CIO. Ability to consult with clients, high-level technicians, analysts and technical peers to resolve problems.

MINIMUM TRAINING AND EXPERIENCE:

Graduation from a four-year college or university with a major in in electronics, telecommunications, engineering, or a closely related field and three years of experience in network design, analysis, or management. Experience in the field of work related to the position's role may be substituted on a year-for-year basis.

Special Note: This is a generalized representation of positions in this class and is not intended to reflect essential functions per ADA. Examples of competencies are typical of the majority of positions, but may not be applicable to all positions.

Degrees must be received from appropriately accredited institutions.